DXpedition News

North Korea - P5 Romeo Stepanenko 3W3RR and others have provided DXers with the best possible holiday present: a New One for DXCC. Romeo came on the air as **P5RS7**, using a military license from North Korea, a country previously approved for addition to the DXCC Countries list, once an operation is accredited. Since Romeo has been successful in gaining accreditation for all of his previous operations, look for this one to count, too. Some excerpts from the news release:

"This DXpedition... doesn't want to undermine the major work done by the IARU group consisting of W1RU, OH2BH and others. In our case military (not civilian) license was issued. Moreover, the first operation form a previously 'closed' country frequently 'opens' that country for future ham radio activity.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

"After the DXpedition is over, DXAC shall receive **originals** of all available documents, licenses, passports, photographs, perhaps even video shot on location.

"Because of restrictions imposed upon the operators, they can transmit only correspondents' callsign and his report. Please don't ask any questions on the air. Address all inquires to the [QSL] manager JA1HGY. Donations can also be made via JA1HGY, any support is welcomed. Watch the usual DX frequencies."

P5RS7 has been noted from the West Coast on 21295 and 21022 kHz at 2300Z, and on 7004 kHz at 1600Z. W6EL's Miniprop suggests 20 meters at 22-0200Z, 15 meters at 23-0100Z, and 40 meters at 0800-1600Z for West Coast stations, and 40 meters at 08-1130Z for East Coast stations. The three operators will be active until about Dec. 29. Sunrise 2245Z; sunset 0815Z.

Shortly Noted

▪ **Midway Island - KH4** Bob Winters KD7P postponed his planned Midway operation until after typhoon season. He will go to Midway early next year **if** he can borrow a beam antenna for the new bands, and an amplifier that covers 160 meters. Contact Bob at his Guam address if you can help make this trip a reality: 68 Betel Palm, South Finegayen, NCWP FPO AP 96630. (US stamps okay for return postage; thanks Long Skip.) Meanwhile, **KH4/W3HUV** made about 1,400 contacts during his 2½-day stay. QSL via his home address: Raymond Maurstad, 12082 Goldenrod St., Coon Rapids MN 55433.

▪ **T5A**? Peter Eaton KH6HBZ reports that he is in Somalia with rig and log-periodic antenna, and should be on the air within a couple of weeks, perhaps using T5A. Watch 14184, 21285, 28485, and 28585 kHz on SSB, and 24 kHz up on CW, listening up. QSL to K4YMQ (address in Issue 668.)

▪ **VP8VN** will operate from **South Georgia** Island Dec. 26-28, on SSB and CW. QSL to G4LGZ via the RSGB bureau. From the Falklands, VP8VN likes 14003 kHz at 0000Z.

▪ **YJ0ARW** was Ron Wright ZL1AMO; no reports of Ron's next stop. Watch 7007 kHz at 1200Z.

▪ **5W1ZY** is the Western Samoa callsign of SM0NZY, following an unanticipated operation as **A35ZY** from Tonga. See Issue 667 for more details.

▪ **T32VU** is DL1VU, noted on 18072 kHz at 0040Z, and 10-meter CW at 2000Z. Future stops on Karl's itinerary include Central Kiribati T31 and Palmyra KH5. See Issue 662 for more information.

▪ **PJ7JC** is the St. Maarten call of Jack PJ2CU and Jose PJ2MI, Jan. 9-16. CW, SSB, RTTY, and possibly satellite operations. Also, they may try to operate from the French side (St. Martin FS). QSL route to be announced.

▪ **3D2AM** is active from Rotuma until the end of the month. (LNDX.)

▪ **TI2IDX** is N9IUO until Jan. 6, on 160-10 meters, CW and SSB. QSL via WA9BXB. (DXNS.)

▪ **C21BR** is Brian Rous ZL1ACX, until mid-April. Try the net on 14222 kHz. QSL direct to Box 478, Nauru, Central Pacific. (Thanks DXNL.)

▪ **VI150SYD** ends its special-event operation at the end of the month; try 10106 khz at 1100Z.

▪ **N6AMG** Silent Key: Joel Paladino, active 6-meter DXpeditioner, passed away recently of leukemia.

▪ SSB Nets: Check-ins: **14227**: (11,22Z) TU4EA; **14256:** (2330Z) VP8CLR (South Georgia) VP8CFM (South Orkneys) JX3EX; **21335**: (14Z) TN1AT A71CD OY9R.

▪ **RTTY**: **D2EL** is taking a short holiday back home in Spain. He returns to Angola early next year. Meanwhile he will QSL his previous contacts via his home address: Jose C. Perez Cervera EA7EL, Obispo Zumarraga 9, 41007, Sevilla, Spain.

Propagation

Forecast and Historical Data

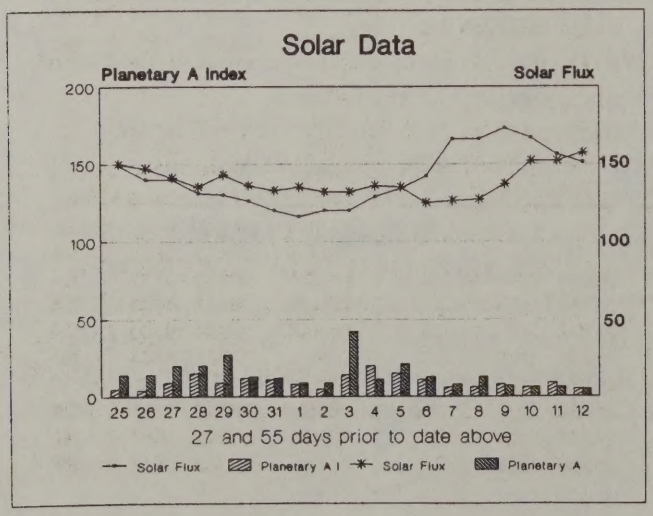
Day	Forecast	27 Days Before				55 Days Before			
December 1992		Date	Flux	A	K	Date	Flux	A	K
25	Above Normal	11/28	149	04/05	1	10/31	150	10/14	2
26	Above Normal	11/29	140	03/04	1	11/01	147	14/14	2
27	Above Normal	11/30	140	07/09	3	11/02	141	21/20	2
28	High Normal	12/01	131	17/15	2	11/03	135	17/20	2
29	High Normal	12/02	130	09/09	2	11/04	143	16/27	2
30	High Normal	12/03	126	14/12	2	11/05	136	12/13	2
31	High Normal	12/04	120	12/11	2	11/06	133	12/12	2
January 1993									
1	Above Normal	12/05	116	05/08	0	11/07	135	11/09	1
2	Above Normal	12/06	120	02/05	1	11/08	132	10/09	2
3	High Normal	12/07	120	11/14	2	11/09	132	24/42	3
4	Low Normal	12/08	129	18/20	3	11/10	136	11/11	2
5	High Normal	12/09	134	12/15	2	11/11	135	21/21	2
6	High Normal	12/10	142	09/11	3	11/12	125	12/13	2
7	Above Normal	12/11	166	04/06	2	11/13	126	14/08	2
8	Above Normal	12/12	166	08/06	2	11/14	127	08/13	2
9	Above Normal	12/13	173	06/08	1	11/15	137	11/07	3
10	Above Normal	12/14	167	10/06	2	11/16	152	08/06	2

Propagation Watch

The bands continue to be kind to the DXer, with conditions well above average for this time in the sunspot cycle. The solar flux has been high enough to open 10 meters daily, and the geomagnetic field has been quiet enough to allow low-band contacts.

Sunspots continue to be few and far between. Sunspot Region 7374 is the largest Region visible now. It grew rapidly, but emitted only a few small flares. Otherwise, solar activity should remain constant over the next couple of weeks. A mild StratWarm condition exists over northeast Asia, but probably won't adversely affect propagation.

East Coast stations will be closely watching propagation to North Korea. The direct path goes straight across the North Pole, and is very difficult, due to polar disturbances. Try sunrise in North Korea (0815Z) on 40 meters. Also try local sunrise on 80 and 40 meters. And check your logbook for any Japanese contacts at this time of year; they are good beacons for propagation to that part of the world. When the A index is in single digits (less than 10), low-band propagation should permit contacts with P5RS7. Good hunting, and good DX in 1993!



Holiday PacketCluster® Spots

by Pete Kemp KZ1Z

28888.0	CØMET	High Speed CW
28888.8	HØMBUG	QSL Via BAØG
28888.8	LØRD	The reason for the season
28888.8	N1CK	The Big Guy
28888.8	SA1NT	QSL via Airmail
50025.0	V1XEN	Net led by Rudolph
50025.0	NØSE/B	ET00 beacon getting loud
28000.0	KR1NGL	Ho Ho Ho
28000.0	DØNER	Level @ 28K ft. Situation
28000.0	DØLPH/RU	Clear sailing
28888.8	SNØW	I'm dreaming of a...
28888.8	M1STLE	Op: Toe
28000.0	HØHO	operator: Ho QSL Hum
28888.8	FRØSTY	Long Path
14400.0	HØLLY	Tis the season
14226.0	HØLY	This is more like it..
28888.0	M1TTEN	CW
14400.0	SNØWBAL	Working Backscatter
14000.0	WR3ATH	Great Circle Route
28888.9	1CE	Smooth fist
28889.5	SCRØGE	There is one in **every** pile-up
14000.1	GLØVES	Another cold CW op
28888.8	NPØLE	NCS Station
28888.8	SL1GH	Aero Mobile
28888.8	LJØHNS	**Long** path
14340.8	L1GHT	Heavy QSB, signal on/off
28888.8	TØBAGN	Signal fading
28888.8	T1NY	Operator: Tim
28888.8	CRØSS	QSL Via HV Buro
21342.0	W1SE	OM Club Station, 3 Ops
7027.0	1GLOO	Northern Lights Club Station
1442000	T1NSL	Meteor Scatter
28888.8	TRA1N	Working by call areas, circular pattern
28888.8	EGGNØG	OP has slurred speech on CW?
28888.8	GR1NCH	DX frequency Cop
14400.0	SNØØPY	QSL via Red Baron DX Club
10333.3	G1RLS	New YL Club Station
10333.3	WØMEN	The "original" YL Club
28888.0	R1BBON	Just wrapping things up, work fast!
28888.0	MA1L	QSL via USPS
28888.8	BL1TZEN	QSL via AHS
21342.0	WØØL	Op: Muffy
3965.0	CØUGH	QSL via Eggnog
28888.8	BØØTS	Pedestrian Mobile
14444.0	J1NGLE	Funny-toned Packet Station
7373.0	BE/JOLLY	And to all a good night!

QSLs Received

- From managers: **US0UT** (3W3RR 2 YRS), **H44MS** (DL2GAC 6 MOS), **FS/N3NCW** (N3NCW 3 WKS), **TN1AT** (F6FNU 1 MO), **VP8CKB** (K1IED 1 MO), **9D0RR** (NT2X 4 MOS), **AP/WA2WYR** (KK6TX 3 WKS); **ZF8/ZF2NE** (W5ASP 2 WKS), **8Q7CW** (JA2NQG 2 WKS), **C9RDM** (W8GIO 10 DAYS!).
- Direct: **S59AM** (3 WKS), **S53EO** (2 WKS), **9A2EU** (3 WKS).

B • A • N • D • P • A • S • S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet. All "portable" calls listed with country of operation first, regardless of format used on the air.*

S	M	T	W	T	F	S
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

RTTY

9K2KA	21086	1333	14	PA
9M2AX	14086	0101	13	PA
C9RJJ	21081	1939	17	PA
D2EL	21086	2202	17	PA
D68ZT	28090	1525	17	PA
DU1RP	21081	2345	12	CA
ES7FQ	14086	1740	16	CA
ES7JW	21084	1300	19	FL
FM5DN	21090	1616	17	PA
FR5AB	14084	1318	13	FL
S51CN	21090	1315	19	FL
UG7GWY	21093	1313	19	FL
ZK1AJA	21083	2200	12	CA

80 Meters

9M8HT	3508	1456	14	ID
A35ZY	3503	1415	16	CA
C9RJJ	3512	0315	11	KS
JA1HQT	3502	1055	15	NH
JH1HDT *	3502	2125	12	MA
PZ1DV	3505	0150	15	NH
S59KAB	3507	0222	18	FL
UF6FAL	3501	0150	15	NH
V73DO	3506	0741	15	CA
VK6LJ	3506	1200	13	FL
Z21HS	3505	0330	15	IA
ZS4TX	3506	0305	10	KS

75 Meters

D2EL	3495	0335	11	IA
EA9IB	3790	0046	8	NY
JT1CS	3800	1150	15	NH
VK6LK *	3798	2110	12	MA

40 Meters

3B8CF	7003	0130	12	IA
3W4VL	7004	1600	15	CA
4K2MAL	7001	0210	16	GA
4K2MAL	7005	1204	19	FL
4N4CQ	7011	0620	11	KS
9A2NW	7003	0205	16	GA
A35ZY	7010	1249	14	FL
C31LL	7001	2353	16	FL
CN8SU	7007	2232	8	NH
FW/Y58IO	7007	1200	14	FL
HC5AI	7010	0150	8	NY
HJØVGJ	7007	0250	11	KS
JW5NM	7001	1229	15	VA
OD5/ SP7LSE	7011	0131	8	NC
P29DK	7026	1300	14	IA
RJ8JM	7007	1235	15	IA
UD6DCP	7007	0026	13	FL
UH8EA	7006	0037	13	FL
UJ8JI	7005	1156	13	FL
V73CT	7012	1121	9	VA
VI15ØSYD	7005	1227	13	NC
VP8GAV	7003	0544	11	NC
VQ9AC	7004	2341	16	FL
XQØYAF	7002	0205	16	GA
YJØARW	7009	1157	13	FL
YN1CC	7010	0411	14	MI
Z21CA	7004	0358	11	ID
ZS4TX	7009	0335	10	CA

30 Meters

3B8CF	10105	0237	19	FL
3W4VL	10103	1404	17	PA
4K2MAL	10110	0200	17	GA
9K2MU	10103	2354	16	FL
A22BW	10102	1619	14	ID
A35ZY	10105	1219	14	FL
EA6ZY	10104	2135	5	SC
EA8AB	10104	2024	8	SC
FK8GJ	10105	0515	18	PA
FK8GJ	10104	1317	11	VA
FY5EW	10106	2211	17	FL
OD5/ SP1MHV	10101	0235	19	FL
OD5/ SP7LSE	10106	2303	14	PA
S92SS	10111	2020	13	PA
T32VU	10102	0425	15	OR
T32VU	10101	1325	11	VA
TA2BK	10105	2300	9	MN
UD6DKW	10102	0155	16	GA
V44KAI	10101	0022	18	PA
VI15ØSYD	10107	1111	8	VA
VI15ØSYD	10106	1202	13	PA
VP8GAV	10101	0210	10	MN

20 Meter CW

3A2LF	14019	1326	13	FL
3W4VL	14024	1430	15	VA
3W4VL	14025	2342	11	CA
4K1YAR	14021	0236	14	NC
4K4POL	14025	0200	7	MI
4S7TP	14004	0014	16	VA
4S7WP	14004	0047	19	FL
7P8SR	14040	2128	11	SC
9K2MU	14022	0210	10	NC
9M2NA	14010	2312	9	MI
9X5AB	14019	2106	7	NH
A71AL	14025	2100	6	CA
EA9PB	14007	1919	13	CA
FK8GJ	14011	1322	13	FL
FR5GG	14020	1658	9	CA
FW/Y31XO	14009	1220	13	FL
HSØZAA	14027	0046	19	FL
HZ1AB	14030	1510	10	?
JWØC	14011	1402	13	NC
PYØFF	14022	2120	9	NH
PZ1DY	14029	0210	11	CA
TF3GC	14022	2101	10	NH
UAØYO	14007	2335	9	MI
VP8VN	14004	2350	6	KS
VQ9AC	14015	1500	14	ID
VU2HJA *	14030	1207	10	NB
VU2MAB	14020	1243	19	FL
YI1BGD	14024	1630	13	CA

20 Meter SSB

4N5PK	14195	1610	8	CA
8Q7AZ	14179	0220	17	CA
9A2PM	14165	1229	9	NB
9K2ZZ *	14185	1430	11	IA
A41KJ	14192	1329	16	NJ
D2EL	14181	0137	11	CO
JT1CS	14191	0125	11	CO
JT1V	14240	0207	9	OR
KC4AAA	14271	0314	14	IL
T3ØJH	14226	2000	12	CA
T32AF	14180	0214	13	NC
TU2JL	14190	0530	11	KS
TU4EG	14196	2245	11	CA
V51JM	14261	0531	15	CA
V51JM	14226	2133	15	CA
VQ9MW	14187	2227	15	CA
VU2BRC	14195	1250	16	NJ
VU2XX	14185	1210	13	NJ
VU2YK	14192	1252	9	NJ

17 Meter CW

3D2QB	18075	0228	13	CA
5B4OG	18076	1223	8	VA
9M2AX	18069	0028	15	FL
C31LL	18073	1357	8	NH
C9RJJ	18074	1812	19	FL
OD5/ SP1MHV	18072	1453	7	NH
T32VU	18074	0038	15	FL
VK6HG	18069	1402	8	NH
VP8GAV	18070	0155	11	OR
VS6FQ	18068	0253	13	OR

15 Meter CW

3W4VL	21019	0225	15	CA
4K2MAL	21003	2250	15	VA
5R8DG	21020	1550	11	CA
BY4RB	21020	0045	10	KS
CYØNSM	21015	0018	13	NJ
FW/Y58IO	21007	2315	14	VA
HJØVGJ	21027	2020	11	CA
HKØER	21021	2210	11	CA
JT1BR	21031	0135	11	CA
JT1CS	21021	0126	10	CO
PZ1DY	21029	2113	19	FL
RH8BKA	21011	1412	7	NH
T32VU	21026	2315	12	IA
T77C	21021	1643	11	ID
VR2GC	21027	0140	10	CO
ZD8RM	21024	1340	9	IA

15 Meter SSB

3W4VL	21249	0051	18	SD
5R8DG	21260	1600	16	CA
7P8FE	21294	1855	11	CA
A22RV	21355	1855	6	CA
C31HK	21229	1830	16	CA
P29FS	21260	2215	12	OR
SV5TS	21267	1421	9	NJ
TU2PA	21355	1836	15	CA
TZ6NU	21244	1207	6	NJ
VU2JL	21281	1619	9	NJ
Z21JE	21345	1825	6	CA

12 Meter CW

3B8CF	24903	1550	19	FL
4J4GAT	24898	1322	11	WV
5N0ZKJ	24903	1513	12	VA
FW/Y58IO	24900	0036	19	FL
OD5/ SP1MHV	24902	1354	11	VA
SV2BMH	24902	1506	19	FL
TA2BK	24895	1500	19	FL
UC2AAA	24899	1429	13	FL
XQØYAF	24893	1751	12	VA

12 Meter SSB

HP3FL	24968	1312	6	NJ
XQØX	24950	2119	6	OR

10 Meter CW

3W4VL	28024	0033	13	CO
3XØHNU	28028	1425	10	IA
4U1UN	28022	0413	13	IL
7P8SR	28132	1535	13	VA
9U5AC	28001	1430	19	FL
C9RJJ	28018	1430	13	FL
FK8CA	28024	2200	12	IL
HV4NAC	28005	1425	19	FL
P29KH	28032	2142	9	CO
T32VU	28017	2023	11	VA
TU2CI	28025	1552	13	IL
VP5P	28032	1946	13	IL
VS6BG	28029	0055	13	CO
YN/ SMØOIG	28046	2216	12	IL
ZA1M	28019	2317	18	FL
ZC4ES	28025	1400	14	FL
ZD8LII	28025	1355	7	NH

10 Meter SSB

3W4VL	28494	0056	15	CA
3XØHLU	28570	1400	11	IA
5R8DG	28543	1440	10	IA
5U7M	28527	1514	13	SD
7X2DG	28397	1305	16	ME
A22EX	28493	1620	11	IA
AP2JZB	28480	1405	14	IA
C9RJJ	28306	1610	12	IL
D2EL	28338	1609	12	IL
EA9KB	28484	1700	16	CA
FH5CB	28560	1435	15	IA
FK8GM	28503	2138	12	ME
FR5DX	28457	1621	13	NJ
HH2DY	28485	2137	11	CA
KG4JH	28470	1700	6	CA
KH3AE	28339	0100	7	CA
OD5/ SP1MHV	28501	1225	13	NJ
V85BJ	28484	0131	9	CA
Z21CA	28503	1547	9	NJ
Z21JE	28503	1541	9	NY

Issue 669 - December 25, 1992

Current and Future DXpeditions

(Changes and hot info in **boldface**.)

DXCC Country	Prefix	Callsign	Dates	Issue
Antarctica	DL1KVC/P		14246 17-1900Z	I664
Antigua	**V2/**	**VE3BW**	**Jan. 1-29**	**I664**
Aruba	P4/	W1EKT	Jan. 11-18	I667
Bahamas	**C6**	**C6AGN**	**Dec. 15-Jan. 11**	**I667**
Baker, Howland	KH1	/K9AJ	Jan. 26+	I664
Bangladesh	**S2**	**S21ZG**	**20M CW now**	**I667**
Barbados	8P	8P9DX	Jan. 23-Feb. 6	I667
Costa Rica	**TI**	**TI2IDX**	**to Jan. 6**	**I669**
Crozet	FT	FT4WD	soon	I664
Desecheo	**KP5**	**NØTG**	**Dec. 28-Jan. 4**	**I666**
Eastern Kiribati	**T32VU**		**Now active**	**I669**
Fiji	**3D**	**SMØs**	**Dec. 29-Jan. 15**	**I667**
		3D2RW	**now**	**I668**
Kingman Reef	KH5	NØAFW/	late Feb.	I666
Maldives	**8Q**	**8Q7BX**	**Dec. 28-Jan. 6**	**I668**
Marshall Islands	V7	V73S/B	Jan. 8-15	I667
Midway Island	**KH4**	**KD7P/**	**early 1993?**	**I669**
Minami Torishima		JA9IPX/JD1	to Jan. 14	I659
Montserrat	VP2M/K8SJ		Feb. 5-17	I668
Nauru	**C2**	**C21BR**	**to mid-Apr.**	**I669**
Navassa	KP1	W5IJU	Mar. 26-Apr. 3	I668
North Korea	**P5**	**P5RS7**	**to Dec. 29**	**I669**
Rotuma		**3D2AM**	**to Dec. 31**	**I669**
Rwanda	9X	9X5AB	now active	I662
St. Kitts	**V4**	**V47FV**	**Dec. 19-Jan. 5**	**I667**
St. Maarten	**PJ7**	**PJ7JC**	**Jan. 9-16**	**I669**
San Andrés	HKØ/	AA5AU, KB5GL	Feb. 27+	I667
São Tomé	S9	S92SS	now active	I665
Singapore	9V	9V1YU	15M 15-1700Z	I661
Somalia	**T5**	**T5CB**	**Dec. 16-31**	**I666**
		KH6HBZ	**Soon?**	**I668/9**
South Georgia		**VP8VN**	**Dec. 26-28**	**I669**
Western Samoa	**5W**	**5W1ZY**	**Dec. 17-28**	**I667**

Operating Events and DX Gatherings

Dates	Event	Reference:
Jan. 2-3, 1993	ARRL RTTY Roundup	QST
Jan. 8-10	Japan Low-Band CW Test	I667
Jan. 16-17	Hungarian DX Test	CQ
Jan. 30-31	Belgium SSB Contest	I667
Jan. 29-31	CQWW 160-Meter CW test	CQ
Feb. 13-14	Spanish RTTY Contest	CQ
Feb. 20-21	ARRL CW DX Contest	QST
Mar. 6-7	ARRL SSB DX Test	QST

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KT7H, SESC, AA7AV, AA7FM, AH6IO, AK1E, DXNL, DXNS, JA1BK, KØCX, K1HDO, K4GLU, K4II, K4IQJ, K4LNA, K6OZL, K6LEB, K7EX, K8CV, K8OQL, KA1MUY, KA7T, KG4O, KG6I, KH6HBZ, KK6XN, KM9J, KSØM, KZ1Z, LNDX, NØABA, N2EJQ, N4UU, N6JQL, OH3TY, VE1RJ, VE3IPR, VE7COP, WØJRN, WØRXL, W1AW, W1BFT, W1FV, W1NH, W4VQ, W6GO, W6HF, W6JOX, W6UQF, W7LR, W8CT, W9DH, W9RXJ, WA2VKS, WA6WPR, WA9AQE, WB8ZRL, WU6T, and K2PEQ. Thanks a lot! -chod.

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
Andorra	C31LL	18070±	1400Z
Andorra	C31LL	40M CW	2345Z Wed.
Angola	D2EL	10M SSB	1600Z
Antarctica	VP8GAV	10102	0200Z
Armenia	4J4GAT	24897	1320Z
Ascension Island	ZD8RM	21020±	1345Z
Azerbaijan	UD6DKW	10102	0200Z
Botswana	A22BW	10105±	1600Z
Ceuta & Melilla	EA9PB	14005±	1900Z
Chagos	VQ9AC	14015	1500Z
Croatia	9A2PM	14165	1230Z
Franz Josef Land	4K2MAL	10109	0200Z
Guinea	3XØHLU	10M SSB	1400Z
India	VU2XX	14190±	1200Z Sun.
Japan	JA1HQT	3502	1100Z

The DX Bulletin

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DXCC Country	Callsign	Freq.	UTC
Madagascar	5R8DG	21260	1600Z Fri.
Mauritius Island	3B8CF	10105	0230Z Sat.
Mongolia	JT1CS	14195±	0130Z
Mongolia	JT1BR	15M CW	0130Z
Suriname	PZ1DY	21027±	2100Z
Tajikistan	UJ8JI	40M CW	1200Z
Vietnam	3W4VL	14024	2345, 1430Z
Vietnam	3W4VL	28490±	0100Z

Important Notice

There will not be an Issue of The DX Bulletin dated Jan. 1, 1993. The next issue (Issue 670) will be dated Jan. 8, and mailed Jan. 5. The DX Bulletin is published 50 weeks a year. Happy holidays, and good DX in 1993! -chod.